

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Bt Corn for Grain, Furrow Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Corn		200.00	Bushel	\$4.82	\$964.00	\$117,608.00
Total Revenue					\$964.00	\$117,608.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
	Seed - Bt Corn for Grain	0.38	Bag	\$280.00	\$106.40	\$12,980.80
Fertilizer						
	Fertilizer (N) - ANH3	152	Pound	\$0.38	\$57.76	\$7,046.72
	Fertilizer (P) - Liquid	60	Pound	\$0.79	\$47.40	\$5,782.80
	Fertilizer (N) - Liquid	50	Pound	\$0.64	\$32.00	\$3,904.00
Herbicide						
	Herbicide - Corn Preplant	1	Acre	\$17.36	\$17.36	\$2,117.41
	Herbicide - Corn Postplant	1	Acre	\$15.69	\$15.69	\$1,914.08
Insecticide						
	Miticide	1	Acre	\$21.52	\$21.52	\$2,626.04
Miscellaneous						
	Crop Insurance Corn Irrigated	1	Acre	\$25.63	\$25.63	\$3,127.10
Custom						
	Fertilizer Application - ANH3	1	Acre	\$11.75	\$11.75	\$1,433.50
	Crop Consultant	1	Acre	\$8.63	\$8.63	\$1,052.86
	Harvest and Haul - Corn	200	Bushel	\$0.43	\$86.00	\$10,492.00
Irrigation						
	Energy or Water Cost	26.00	AcreInch	\$4.30	\$111.80	\$13,639.60
	Irrigation Labor	3.65	Hour	\$11.75	\$42.92	\$5,236.58
Machinery Labor						
	Tractors/Self-Propelled	1.13	Hour	\$11.75	\$13.28	\$1,619.86
Diesel Fuel						
	Tractors/Self-Propelled	3.1	Gallon	\$3.28	\$10.17	\$1,240.50
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$9.99	\$9.99	\$1,218.75
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00
	Irrigation Equipment	1	Acre	\$103.03	\$103.03	\$12,569.66
	Tractors/Self-Propelled	1	Acre	\$9.89	\$9.89	\$1,206.83
	Implements	1	Acre	\$18.61	\$18.61	\$2,270.68
	Interest on Credit Line			4.75%	\$11.65	\$1,421.41
Total Variable Costs					\$765.25	\$93,360.18
Planned Returns Above Variable Costs:					\$198.75	\$24,247.82
Breakeven Price to Cover Variable Costs				\$3.83	Bushel	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95
	Irrigation Equipment	1	Acre	\$14.42	\$14.42	\$1,759.40
	Tractors/Self-Propelled	1	Acre	\$10.22	\$10.22	\$1,247.06
	Implements	1	Acre	\$23.05	\$23.05	\$2,812.18
Equipment Investment						
	Pickup/General Use Equipment	\$47.03	Dollars	5.25%	\$2.47	\$301.22
	Irrigation Equipment	\$379.51	Dollars	5.25%	\$19.92	\$2,430.75
	Tractors/Self-Propelled	\$115.41	Dollars	5.25%	\$6.06	\$739.18
	Implements	\$179.28	Dollars	5.25%	\$9.41	\$1,148.31
	Cash Rent - Corn	1	Acre	\$140.00	\$140.00	\$17,080.00
Total Fixed Costs					\$229.51	\$28,000.05
Total Specified Costs					\$994.76	\$121,360.23
Returns Above Specified Costs					(\$30.76)	(\$3,752.23)
Breakeven Price to Cover Total Costs				\$4.97	Bushel	

Example Breakeven Prices						
Example Yield Percent	Example Yield Bushel	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	150.00	\$5.10	\$5.10	\$6.63	\$6.63	\$0.00
90%	180.00	\$4.25	\$4.25	\$5.53	\$5.53	\$0.00
100%	200.00	\$3.83	\$3.83	\$4.97	\$4.97	\$0.00
110%	220.00	\$3.48	\$3.48	\$4.52	\$4.52	\$0.00
125%	250.00	\$3.06	\$3.06	\$3.98	\$3.98	\$0.00

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.